



Second Year BPT Degree Supplementary Examinations - May 2015
(2010 Scheme)

MICROBIOLOGY AND PATHOLOGY**Time: 3 hrs****Max marks: 100**

- Answer all questions
- Write section A and section B in separate answer books(32 Pages).
Do not mix up questions from section A and section B.

Q P Code: 205014**Section A – Microbiology****Marks: 50****Essay:****(10)**

1. Draw a neat labeled diagram of a bacterial cell. Describe the cell wall in detail.

Short notes:**(5x5=25)**

2. Laboratory diagnosis of pulmonary tuberculosis.
3. Autoclave.
4. Life cycle of plasmodium vivax malaria.
5. Prophylaxis against poliomyelitis.
6. Widal test.

Answer briefly:**(5x3=15)**

7. Bacterial motility.
8. Universal precautions.
9. Gaseous disinfectants.
10. Name any three motile bacteria.
11. Name any three infections caused by candida species.

Q P Code: 206014**Section B – Pathology****Marks: 50****Essay:****(10)**

1. Classify hemolytic anemias. Describe the pathogenesis and laboratory diagnosis of hereditary spherocytosis

Short notes:**(5x5=25)**

2. Factors influencing wound healing
3. Types of necrosis with examples.
4. Type -I hypersensitivity reaction.
5. Bronchiectasis
6. Pathogenesis of rheumatoid arthritis.

Answer briefly:**(5x3=15)**

7. Ashcoffs body
8. Stages of pneumonia
9. Multi nodular goiter.
10. Poliomyelitis
11. CSF findings in tuberculous meningitis.